Team 55: National Firefighter Registry

In Collaboration with CDC-NIOSH

09/20/2020

Presentation Link

https://youtu.be/v2Z4LHAFDTk

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Agenda

- Motivation Behind the National Firefighter Registry
- Scope of National Firefighter Registry
- Our Role
- Solution Architecture
- Project Plan

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Why create the National Firefighter Registry?

- Firefighters at higher risk for various cancers, respiratory conditions, etc.
- Limited information on long-term health of firefighters
- Need for long-term medical information and inclusion of women and minorities
- Creation spurred by passing of Firefighter Cancer Registry Act of 2018

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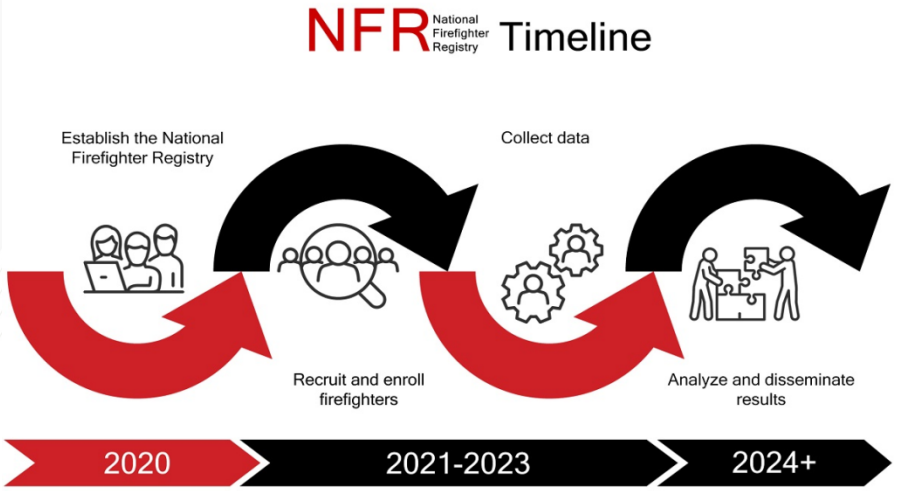
National Firefighter Registry

- CDC project to track health information of firefighters to analyze cancer trends
- Enrollment is on a volunteer basis
- Goal is >200,000 firefighters enrolled



Source: https://www.cdc.gov/niosh/firefighters/registry.html

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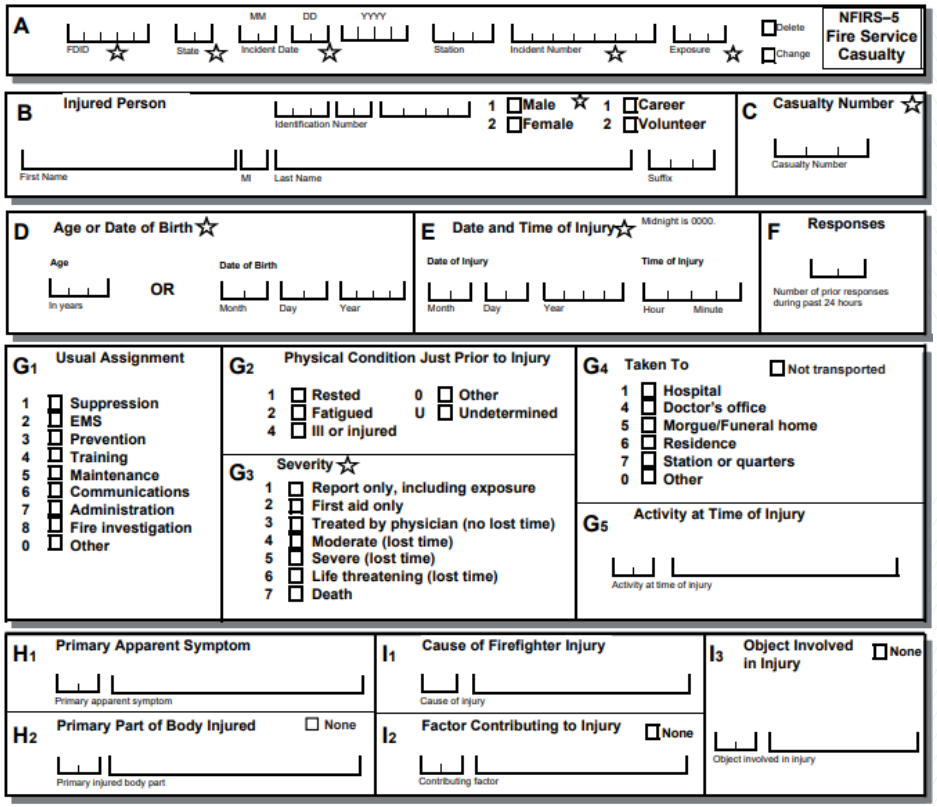
Our Role

- Existing NFIRS casualty form not FHIR compatible
- Goal: Accept JSON/XML FHIR resources, validate, and insert into SQL database
- Add visualization capabilities



Source: NFIRS Reference Guide (2015) pp. 182

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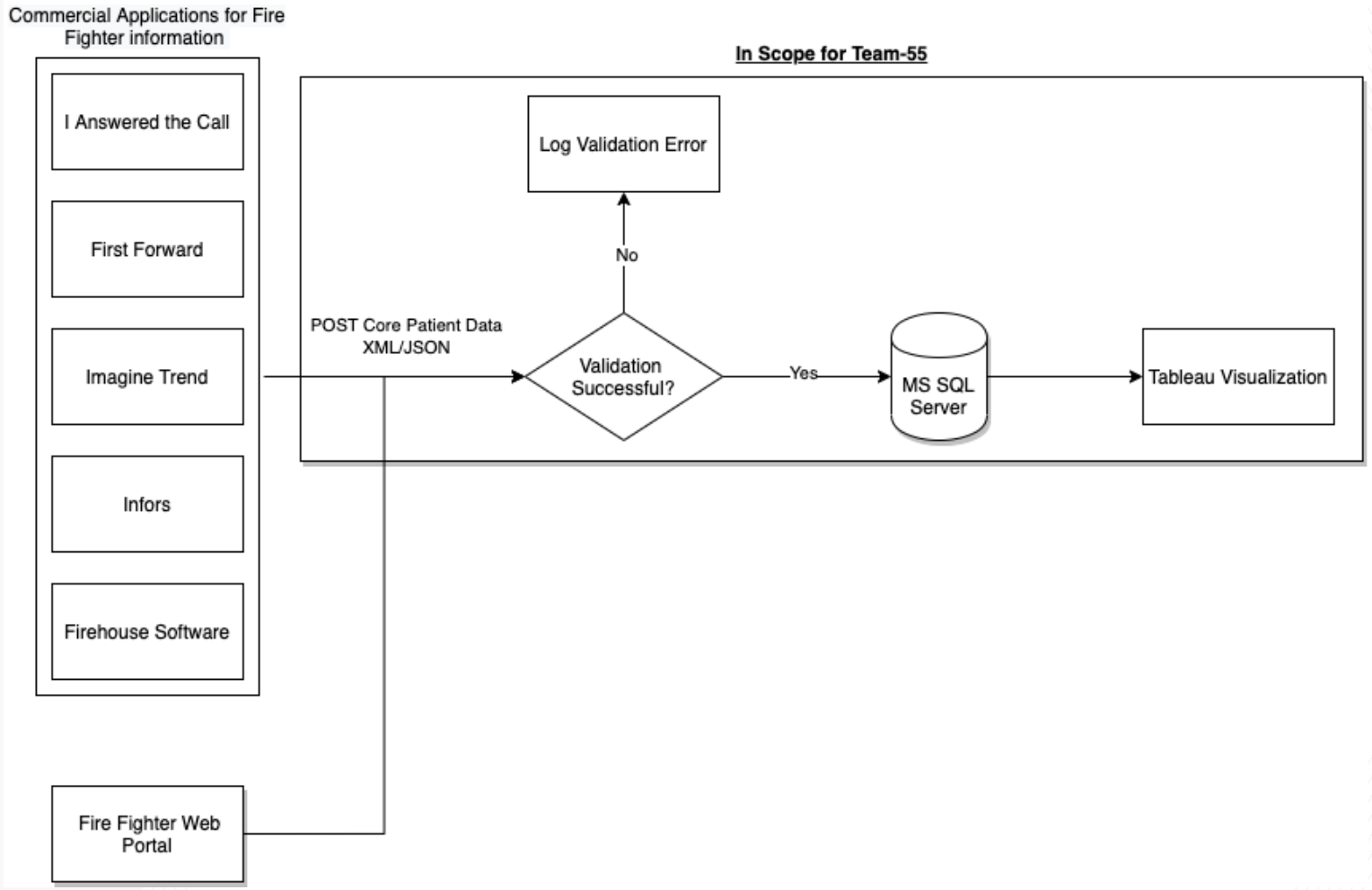
Solution Architecture



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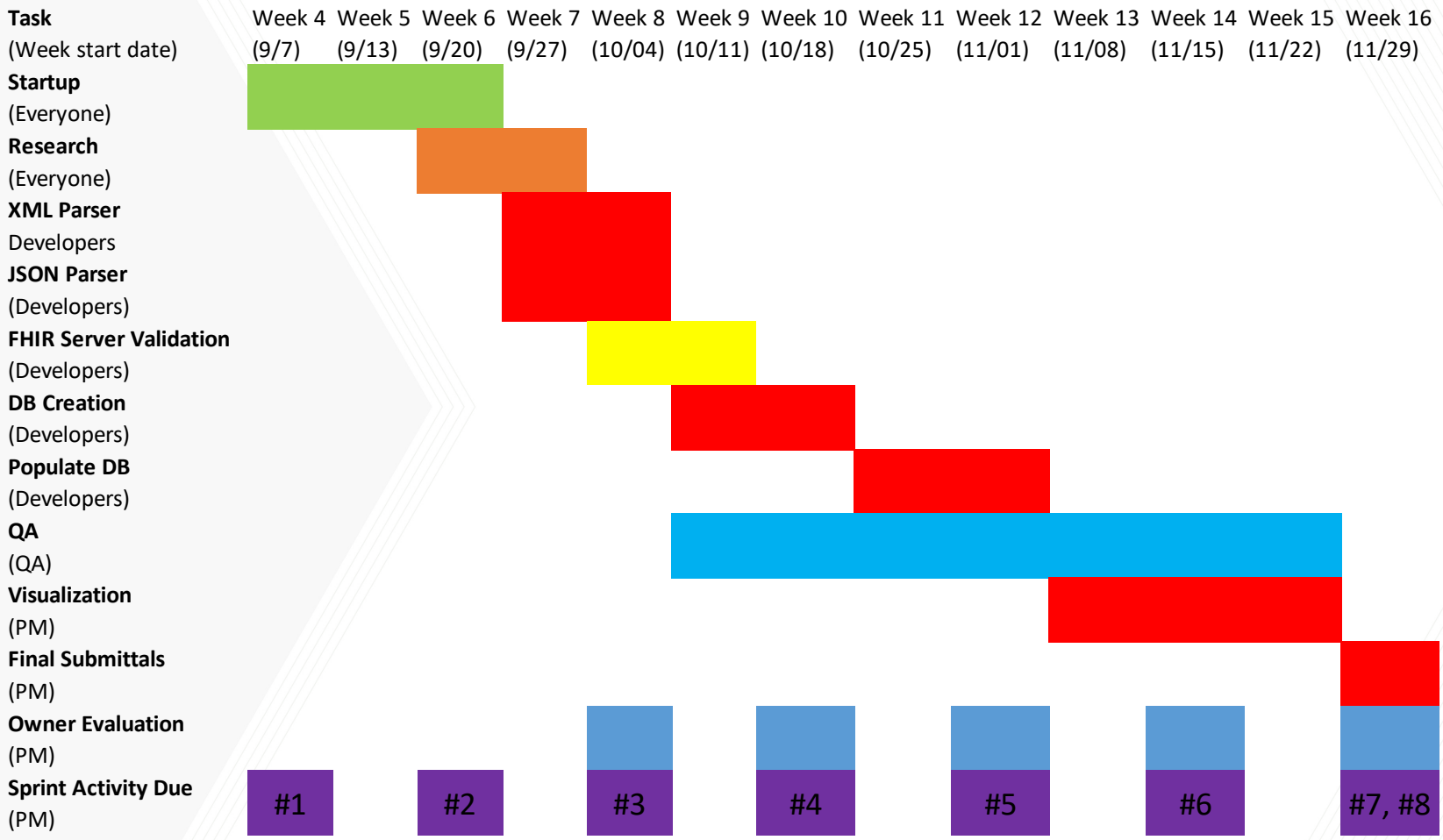
Project Plan



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